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(54) **LCD HAVING A PATTERN FOR PREVENTING A WAVY BRIGHTNESS IRREGULARITY AT THE EDGES OF THE SCREEN DUE TO DRIVE ELEMENTS OR TAPE CARRIER PACKAGES**

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(52) **U.S. Cl.** **349/64; 349/62; 349/150**

(58) **Field of Search** **349/112, 113, 349/62, 63, 64, 65, 150, 192**

(56) **References Cited**

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(57) **ABSTRACT**

The present invention provides a liquid crystal display device which is capable of suppressing wavy brightness irregularity which occurs in a display screen edge portion in the vicinity of drivers or tape carrier packages (TCPs) on which the drivers are mounted, owing to the mounting of the drivers or the TCPs. In one example of the present invention, a wavy pattern for preventing brightness irregularity is partially formed along one edge of a light guide plate in the vicinity of drivers mounted on a substrate which constitutes a liquid crystal display panel. Similar effects and advantages are obtained even if this wavy pattern for preventing brightness irregularity is formed on a reflecting sheet arranged on the side of the liquid guide plate opposite to the liquid crystal display panel, or on a diffusion sheet inserted between the light guide plate and the liquid crystal display panel.

8 Claims, 17 Drawing Sheets

